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
COMMONWEALTH OF PENNSYLVANIA
Department of Environmental Protection

August 2, 2010
717-705-4876

SUBJECT: Source Test Review
B. Braun Medical, Inc.
Chemrox Deoxx Wet Scrubber, Source ID S02
Hanover Twp., Lehigh County
Title V Operating Permit No. 39-00055
eFACTS # 1871376

TO: Becky Easley
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B. Braun Medical, Inc. operates an ethylene oxide medical equipment sterilization process at their Hanover Twp., Lehigh County facility. As a requirement of Title V Operating Permit No. 39-00055 the Chemrox Deoxx Scrubber used to control emissions must be tested to determine the ethylene oxide removal efficiency.

B. Braun Medical, Inc. conducted testing on the scrubber on November 30, 2009. Samples were collected in Tedlar bags at the outlet of the scrubber, then analyzed by gas chromatograph. The test results are acceptable to the Department as a credible representation of the actual emissions under the operating conditions during testing and may be used for compliance determinations.

The following is a summary of data presented in the test report.

DEOXX Scrubber Ethylene Oxide Removal Efficiency

Chamber No.	1	2	3	Average
Test Date	11/30/09	11/30/09	11/30/09	11/30/09
Ethylene Oxide Introduced to Chamber (lbs)	44.0	46.9	49.4	46.8
Ethylene Oxide Remaining in Chamber Post Vacuum (lbs)	6.24	4.73	6.79	5.92
Ethylene Oxide Emissions at Scrubber Outlet (lbs)	0.419	1.359	0.715	0.831
Ethylene Oxide Removal Efficiency (%)	98.9	96.8	98.3	98.0

Red Data File- B. Braun Medical, Inc., Hanover Twp., Lehigh County
Virendra Trivedi, Division of Permits, Title V Operating Permit No. 39-00055
EPA/AKB
AIMS/AKB
Reading File, Source Testing Section